

$$\text{Equation 1: } RT_{MAX-AW} = \text{MAX} \left\{ \left[RT_{NDT(U) - \text{plate}} + \Delta T_{30 - \text{plate}} \right], \left[RT_{NDT(U) - \text{axial weld}} + \Delta T_{30 - \text{axial weld}} \right] \right\}$$